

S.#	Question	Answer Option (A)	Answer Option (B)	Answer Option (C)	Answer Option (D)
1	The Chimpanzee version of HIV is known as	CIV	SIV	MIV	none of these
2	The viruses who can attack the bacteria are known as	e.coli phage	pox phage	bacteriophage	virophage
3	What of the following causes of death in children are NOT affected by nutrition?	Diarrhea	Pneumonia	HIV	none of these all are affected by nutrition
4	Identify the TRUE fact about virus	the viruses were discovered 2 billion years ago	the viruses came from outer space	viruses evolved before bacteria	they can infect all type of cells
5	HIV differs from many viruses because it has high genetic____	sensitivity	complexity	variability	viability
6	Influenza virus protein HA binds _____ residues found on the surface of respiratory epithelial cells	uncoding protein	sialic acid	antigen P	antigen HI
7	The atomic number is usually equals to ____	electrons	protons	neutrons	positrons
8	Hydrophilic substances are ____ and hydrophobic substances are ____	water loving, water fearing	polar, non-polar	soluble in water, soluble in lipid	all are correct
9	In this stage of photosynthesis, ATP and NADPH converted to ADP+Pi and NADP+	light dependent reaction	light independent reaction	both of these	none of above
10	Oxygen plays ____ role in respiration	it combines with acetyl-CoA at the start of the kreb's cycle	It plays no role	it is given off as a by-product during the oxidation of pyruvates	it is the final electron acceptor at the end of the electron transport chain
11	Fermentation products produced by the yeast are include;	H2O+ CO2	methyl alcohol +CO2	methyl alcohol +CO2	ethyl alcohol +CO2
12	Stroma contains pigmentation of the plant, it help the light reactions to occur properly, the pigment is	carotenoid	chlorophyll	Mesophyll	renitol
13	A triglyceride is considered as	protien	nucleic acid	a simple sugar	lipid
14	Lipids show solubility in which of the following solvents?	water	ether	inorganic solvents	all solvents
15	Essential fatty acids show all the characters except ____	lipotropism	blood clotting factors	used for energy production	none of these
16	Hemoglobin synthesis takes place in all except ____	reticulocytes	erythrocytes	basiophilic erythroblasts	none of these
17	The deficiency of which of the following cause the immunodeficiency	hypoxanthine-guanine transferase	xanthine oxidase	PRPP synthatase	adeninosine deaminase
18	Which statement is true about an aqueous medium?	Ionic as well as non ionic substance in aqueous media retains their identity.	Enzymes can not perform catalysis reaction in this medium.	It is less favorable media for chemical reactions.	Ions and molecules move randomly thus are in more favorable state to react with other molecules and ions
19	Golgi complex was discovered by which scientist?	Robert Brown	Camillo Golgi	De Duve	Robert Hooke
20	Enzymes involved in protein synthesis are most likely to associated with which cell organelle?	Rough endoplasmic reticulum	Golgi complex	Ribosome	All of the above
21	Which combination of organelles is usually present in both animal and plant cells?	Golgi complex, lysosomes, mitochondria.	Plastids, mitochondria, endoplasmic reticulum.	Golgi complex, endoplasmic reticulum, centrioles.	Mitochondria, endoplasmic reticulum, ribosomes.
22	Which of the following is not present in mitochondria?	enzymes	coenzymes	ribosomes	thylakoid
23	Which of the modes of cellular transport requires energy?	active transport	osmosis	passive transport	diffusion
24	Which of these does not participate in reflex actions?	Motor neuron	Effector	Brain	Spinal cord
25	Which of the following is NOT a function of Absciscic acid?	Inhibits stem and root growth during drought.	Closing of stomata during wilting.	Inhibits flowering in long-day plants	Promotes bud initiation during growth season.
26	Resting potential in nerve cells is maintained by:	Sodium pumps	Potassium pumps	Calcium pumps	None of the above
27	The part of forebrain which lies below the cerebrum is?	hypothalamus	thalamus	cerebellum	cerebral cortex
28	The only promoter of leaf senescence in the following plant hormones is?	gibberellins	cytokinins	auxins	abscisic acid
29	Aschelminthes is also known as which of the following?	Protozoans	Eumetazoa	Protoctist ancestors	Nematodes
30	A sponge of Antarctica which is more than a meter tall is known as?	Euplectella	Spongilla	Leucosolenia	Scolymastra joubini
31	Gut in pseudocoelomates is made from which of the following?	Ectoderm	Mesoderm	Endoderm	all of these
32	Polychaeta have which of the following organs?	tentacles	palps	eyes	all of these
33	Periplaneta belongs to which phylum?	Mollusca	Annelida	Echinodermata	Arthropoda
34	The lock and key model of enzyme action was proposed by:	Louis Pasteur	Emil Fischer	Daniel Koshland	Urey Miller
35	Antibodies can be digested by using which of the following types of enzymes?	Lipase	Protease	Amylase	Polymerase
36	What is the characteristic of a non-competitive inhibitor?	Always binds at the active site.	Adding more substrate reduces the effects of inhibition	Sometimes binds at the active site.	Adding more substrate does not reduce the effects of inhibition.
37	Enzymes binds with chemical reactant which is known as?	product	reactant	substrate	all of these
38	Reversible inhibitors form Weak linkages with which of the following?	enzyme	reactant	product	substrate
39	Adaptation of traits to better fill a niche is known as which of the following?	polymorphism	gene linkage	specialization	replication
40	Homology means	similary in characteristics resulting from common ancestors	similarity in function from acquired characterists	study of similar ograns but with different functions	study of similar ograns but with different functions
41	During aristotle time, it was thought that	oranism ranged from simple to complex	one type of organism give rise to another type of organism	both a & b	all living things specially created by nature
42	The process that has transformed life on earth from its earliest forms to vast diversity is?	mutation	evolution	migration	genetic drift
43	Which of the following is not an evidence for evolution?	Fossil record	Common ancestor organisms	Vestigial structures	none of these
44	Basically nutrition means processes involved in	taking in for food	utilization of food elements	growth, repair and maintenance	all of above
45	Chlorosis in plants is basically due to lack of	chlorophyll	magnesium	nitrogen	all of above
46	Midgut in cockroach is a short narrow tube called which of the following?	Hepatic caeca	rectum	stomach	gizzard
47	Thick, waxy & leathery cuticle around leaves is present in which of the following?	Hydrophytes	Mesophytes	Halophytes	Xerophytes
48	Incomplete or imperfect digestion is known as which of the following?	Obesity	Anorexia nervous	Bulimia nervous	Dyspepsia
49	The average diameter of large viruses is approximately equal to	100 to 160 nm	100 to 200 nm	100 nm to 360 nm	always below than 100 nm
50	In a bacterial cell, plasma membrane with all things present within it is called	Cytoplasmic matrix	Cytoplasm	Protoplast	Cell Structure
51	Louis Pasteur made vaccines for	rabies	anthrax	fowl cholera	all of Above
52	Endometrium stimulation and vascularization is done by	estrogen	progesterone	FSH	LH
53	During birth central nervous system of infants can be damaged by	syphilis	genital herpes	gonorrhoea	HPV
54	Which statement is correct?	In heteromorphic generations are vegetatively dissimilar	In isomorphic generations are vegetatively similar	In isomorphic generations are vegetatively dissimilar	both a and b
55	Which of the following is an ovoviviparous organism?	reptiles	mammals	frog	Duckbill platypus
56	Average loss of blood during birth is about how many cm3?	250	300	350	400
57	Nutriton to egg in ovary is provided by which of the following?	germ cells	milk cells	follicle cells	all of these
58	In the male reproductive tract, sperm cells follow a specific path. Which of the following do sperm cells enter after traveling through the epididymis?	Urethra	Seminiferous tubules	Ejaculatory duct	Vas deferens
59	Which of the following muscle fibre contains single nucleus?	Smooth muscle	Cardiac muscle	Both A and B	Skeletal muscle
60	Which of the following grouping is incorrect?	Skeletal, striated, voluntary	Cardiac, striated, involuntary	Cardiac, striated, voluntary	Both B and C
61	Cross bridges are found on	Actin	Myosin	Troponin	Tropomyosin
62	Which one of the following is not a character of cardiac muscles?	Striated and branched	Multinucleated	Self excitatory	None of these
63	Which of the following is not an important function of bone?	Regulation of ion concentration	Muscular contraction	Organ and nerve protection	Regulation of pH through hydration
64	In nature garden pea plant is:	Self fertilized	Cross fertilized	Both a & b	None of them
65	A trait determines by a gene on the X chromosome is said to be:	Pseudoautosomal	Sex linked	Both a & b	None of the above
66	Phenotypic ratio of monohybrid cross in producing F2 generation is:	3:1	9:3:3:1	1:1:2:1	1:1:1:1
67	ABO system has different phenotype on the basis of specific _____ on the surface of RBCs:	Antibody	Antigen	Anti A-antigen	Anti O-antigen
68	Characteristics feature of male drosophila is:	Sex combs on back legs	Sex combs on front legs	Sex combs on middle legs	None of them